

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8	("4504873" "4590606" "4888812" "5687250" "5692065" "5784610" "6243502" "6278463").PN.	USPAT; USOCR	OR	ON	2007/10/22 12:52
S2	3	S1 and (quality with digital adj image)	USPAT; USOCR	OR	ON	2007/05/24 10:33
S3	11	("4383275"   "4853882"   "4888812"   "4903141"   "5144566"   "5151948"   "5170466"   "5187750"   "5235654"   "5305396"   "5327252").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:41
S4	7	("3800078"   "3962681"   "4070696"   "4129853"   "4216503"   "4228468"   "4240103").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:43
S5	88	("3544970").PN. OR ("3800078").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 10:45

## EAST Search History

S6	96	(US-4032975-\$ or US-3544970-\$ or US-3872434-\$ or US-3919473-\$ or US-4003021-\$ or US-4005281-\$ or US-4375671-\$ or US-4013832-\$ or US-4084153-\$ or US-4128830-\$ or US-4133008-\$ or US-4157533-\$ or US-4167755-\$ or US-4212072-\$ or US-4287536-\$ or US-4314281-\$ or US-4315284-\$ or US-4317134-\$ or US-4345314-\$ or US-4799106-\$ or US-4814877-\$ or US-4392157-\$ or US-4394688-\$ or US-4402087-\$ or US-4430748-\$ or US-4486781-\$). did. or (US-4520395-\$ or US-4525741-\$ or US-4578711-\$ or US-4628211-\$ or US-4688095-\$ or US-4695884-\$ or US-4783836-\$ or US-4985629-\$ or US-4814881-\$ or US-4829584-\$ or US-4833533-\$ or US-4853795-\$ or US-4970598-\$ or US-4979042-\$ or US-4982294-\$ or US-6039645-\$ or US-6128402-\$ or US-4987485-\$ or US-5017004-\$ or US-5041913-\$ or US-5086343-\$ or US-5380992-\$ or US-5430559-\$ or US-5466922-\$ or US-5565916-\$ or US-5602936-\$ or US-5647026-\$). did. or (US-5905810-\$ or US-5912699-\$ or US-5940623-\$ or US-5982918-\$ or US-6021883-\$ or US-6724927-\$ or US-6731786-\$ or US-6038038-\$ or US-6318537-\$ or US-6359706-\$ or US-6363164-\$ or US-6603872-\$ or US-6637576-\$ or US-6647136-\$ or US-6650767-\$ or US-6654486-\$ or US-6661910-\$ or US-6665431-\$ or US-6678401-\$ or US-6678402-\$ or US-6724926-\$ or US-6748101-\$ or US-6778693-\$ or US-6810137-\$ or US-6843418-\$ or US-6996263-\$ or US-7000828-\$). did. or (US-7149336-\$ or US-7187795-\$ or US-7200255-\$ or US-4129853-\$ or US-4216503-\$ or US-4240103-\$ or US-4383275-\$ or US-5687250-\$ or US-5692065-\$ or US-4504873-\$ or US-4590606-\$ or US-4888812-\$ or US-5784610-\$ or US-6243502-\$ or US-6278463-\$). did. or (US-3544970-\$).did.	USPAT; USOCR	OR	ON	2007/05/30 07:20
S7	4	S6 and (digital with image adj document)	USPAT; USOCR	OR	ON	2007/05/30 08:35
S8	1	(S7 and plurality with( black or white))	USPAT; USOCR	OR	ON	2007/05/30 08:14

## EAST Search History

S9	175	382/137.CCLS.	USPAT; USOCR	OR	ON	2007/05/30 07:29
S10	2	(S9 and ( quality with digital adj image adj document))	USPAT; USOCR	OR	ON	2007/05/30 07:47
S11	2	S10 and ( portion with image)	USPAT; USOCR	OR	ON	2007/05/30 07:55
S15	1	bank with document adj digital adj image	USPAT; USOCR	OR	ON	2007/05/30 08:01
S16	46	382/138.ccls.	USPAT; USOCR	OR	ON	2007/05/30 08:14
S18	116	382/139.ccls.	USPAT; USOCR	OR	ON	2007/05/30 08:27
S19	2	S18 and (digital with image adj document)	USPAT; USOCR	OR	ON	2007/05/30 08:27
S21	52	382/140.ccls.	USPAT; USOCR	OR	ON	2007/05/30 08:32
S23	256	382/137.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/05/30 08:34
S24	12	S23 and (digital with image adj document)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/05/30 08:39
S25	5	S23 and (quality adj document)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/05/30 08:40
S26	0	(standard with deviation adj distribution) and image	USPAT; USOCR	OR	ON	2007/05/31 16:02
S27	250	(standard with deviation adj distribution) and image	USPAT; USOCR	OR	ON	2007/05/31 16:03
S28	143	S27 and mean	USPAT; USOCR	OR	ON	2007/05/31 16:03
S29	15	S28 and (black with pixel)	USPAT; USOCR	OR	ON	2007/06/04 11:20
S30	0	S29 and (black with pixel adj row)	USPAT; USOCR	OR	ON	2007/05/31 16:15
S31	0	S29 and (black with pixel adj horizontal)	USPAT; USOCR	OR	ON	2007/05/31 16:15
S32	257	382/137.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/06/04 09:32

## EAST Search History

S33	0	S32 AND (calculate with line adj area)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/06/04 09:33
S34	0	S32 and (reducing with image adj profile)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/06/04 09:34
S35	0	S32 and (locating with line adj document)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/06/04 09:35

## EAST Search History

S36	96	(US-4032975-\$ or US-3544970-\$ or US-3872434-\$ or US-3919473-\$ or US-4003021-\$ or US-4005281-\$ or US-4375671-\$ or US-4013832-\$ or US-4084153-\$ or US-4128830-\$ or US-4133008-\$ or US-4157533-\$ or US-4167755-\$ or US-4212072-\$ or US-4287536-\$ or US-4314281-\$ or US-4315284-\$ or US-4317134-\$ or US-4345314-\$ or US-4799106-\$ or US-4814877-\$ or US-4392157-\$ or US-4394688-\$ or US-4402087-\$ or US-4430748-\$ or US-4486781-\$). did. or (US-4520395-\$ or US-4525741-\$ or US-4578711-\$ or US-4628211-\$ or US-4688095-\$ or US-4695884-\$ or US-4783836-\$ or US-4985629-\$ or US-4814881-\$ or US-4829584-\$ or US-4833533-\$ or US-4853795-\$ or US-4970598-\$ or US-4979042-\$ or US-4982294-\$ or US-6039645-\$ or US-6128402-\$ or US-4987485-\$ or US-5017004-\$ or US-5041913-\$ or US-5086343-\$ or US-5380992-\$ or US-5430559-\$ or US-5466922-\$ or US-5565916-\$ or US-5602936-\$ or US-5647026-\$). did. or (US-5905810-\$ or US-5912699-\$ or US-5940623-\$ or US-5982918-\$ or US-6021883-\$ or US-6724927-\$ or US-6731786-\$ or US-6038038-\$ or US-6318537-\$ or US-6359706-\$ or US-6363164-\$ or US-6603872-\$ or US-6637576-\$ or US-6647136-\$ or US-6650767-\$ or US-6654486-\$ or US-6661910-\$ or US-6665431-\$ or US-6678401-\$ or US-6678402-\$ or US-6724926-\$ or US-6748101-\$ or US-6778693-\$ or US-6810137-\$ or US-6843418-\$ or US-6996263-\$ or US-7000828-\$). did. or (US-7149336-\$ or US-7187795-\$ or US-7200255-\$ or US-4129853-\$ or US-4216503-\$ or US-4240103-\$ or US-4383275-\$ or US-5687250-\$ or US-5692065-\$ or US-4504873-\$ or US-4590606-\$ or US-4888812-\$ or US-5784610-\$ or US-6243502-\$ or US-6278463-\$). did. or (US-3544970-\$).did.	USPAT; USOCR	OR	ON	2007/06/04 09:46
S37	4	S36 and (digital with image adj document)	USPAT; USOCR	OR	ON	2007/06/04 09:46

## EAST Search History

S38	16915	confidence with level	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 11:21
S39	459	S38 and (black with pixel)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 11:22
S40	7	S39 and( break with character)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 11:30
S41	7	S40 and image	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 15:58
S42	398	382/112.ccls.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 16:00
S43	18	S42 and (quality with image adj document)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 16:01
S44	0	S43 and (confidence with level)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 16:01
S45	24	("4504873" "4590606" "4888812" "5687250" "5692065" "5754671" "5754674" "5784610" "6198845" "6243502" "6278463" "6363162").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 12:55
S46	1	S45 and ((calculat\$3 or determin\$3) near3 density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 13:05

## EAST Search History

S47	21	("4924521"   "5182778"   "5293429"   "5432864"   "5633954"   "5790269"   "5790711"   "5883970"   "5926555"   "5991458"   "6081626"   "6154565"   "6157736").PN. OR ("6363162").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/22 12:57
S48	1	S47 and ((calculat\$3 or determin\$3) near3 density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 12:58
S49	12	("4510618"   "4827533"   "5561724"   "5649031").PN. OR ("5790711").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/22 12:58
S50	6	S49 and ((calculat\$3 or determin\$3) near3 density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 12:58
S51	0	(determin\$3 or calculat\$3) near3 bank near3 document	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 13:07
S52	4963	determin\$3 bank near3 document	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 13:07
S53	0	determin\$3 near3 bank near3 document	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 13:07
S54	40	determin\$3 near3 bank near3 document	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 13:10

## EAST Search History

S55	0	S54 and ((calculat\$3 or determin\$3) near3 confidence near3 level)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 13:09
S56	0	S54 and (calculat\$3 near3 confidence)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/22 13:10
S57	8	("5142589"   "5164996"   "5182778"   "5790711"   "6157736").PN. OR ("6415062").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/22 16:42
S58	7	("5555556"   "5889885"   "6018590"   "6081618").PN. OR ("6507670").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/22 16:45